

Math Connections

Addison Wesley Mathematics Makes Sense recognizes that mathematical understanding is deepened and enhanced when students make connections between what they are learning and their own experience.

Real-world contexts

- **Unit Launches** provide contexts to prompt mathematical conversation
- **Problem prompts** and activities in core lessons are relevant to the child's experience
- **Unit Problems** feature applied settings

Numbers Every Day

- Connects “number” to everyday class routines in Kindergarten to Grade 2, threading number concepts through all core learning in Grades 3-8.

Cross-Curricular Connections

- At Kindergarten to grade 2, Teacher Guide notes in each lesson provide suggestions for relating mathematics to other subject areas – art, science, social studies, physical education, music
- At grades 3 and up, **Math Link** features in the student book highlight cross-curricular, mathematical, or real-world connections; the Teacher Guide details additional ideas.

Across Strands

- Integration of strands occurs within units at the lesson level, and through the **Activity Banks** and **Mathematics Centres**.
- **Cross-Strand Investigations** appear each term, to provide opportunities for rich problem solving that draws on multiple strand concepts.



Container	Estimated Capacity	Actual Capacity
Paper Cup	200 mL	180 mL

Students better understand mathematical concepts when they make real-life connections and talk about personal experiences.

– Angela D’Alessandro, Program Author

The Literacy and Numeracy Connection

At K to 2

- **Addison Wesley Mathematics Little Books and Lap Books** provide an alternative for launching or extending lessons.
- The **Big Math Book** appeals to primary-level children, many of whom may not yet be comfortable reading print. It includes chants, poems and songs that connect the kinesthetic to the linguistic.
- A take-home book with each **Investigation** in the Student Book provides a shared reading opportunity with mathematical elements.
- The **Literacy Links** feature in the Teacher Guide suggests titles that can be integrated with each lesson or used as a cross-over point with the teaching of language arts.
- Teacher Guide suggestions include use of **cooperative journals, pocket charts, and a Math Word Wall.**



At Grades 3 to 8

- **Key Words** are listed in the Student Book at the start of each unit
- Students' vocabulary is supported with an illustrated **Glossary** in the Student Book
- **Literature Opportunities** are listed in the Teacher Guide with each Unit Launch; share these literature suggestions before starting the unit to help motivate learning

UNIT 6 Measurement

The Cooking Show

Learning Goals

- relate units of time
- estimate and measure time intervals
- tell time to the nearest minute
- estimate and count money
- make purchases and make change
- estimate and measure capacity
- estimate and measure mass
- compare and order objects by mass

You and a friend have been invited to be guest chefs on the "Kids Can Cook" TV show! You will appear on the show on Wednesday, April 8th from 7:30 p.m. to 8:15 p.m. You plan to make your favourite dish, Polka-Dotted Macaroni and Cheese. You will buy the ingredients. You must not spend more than \$20. Here are the ingredients you need to buy:

- Suppose you do the shopping 3 days before the show. What day and date will that be?
- Is \$20 enough to buy all the ingredients? How could you find out?
- Which ingredients are sold by mass? Which by capacity?
- How long will you be on camera?

Key Words

- decade
- century
- millennium
- elapsed time
- capacity
- litre
- millilitre
- mass
- gram
- kilogram